

**OLIGOMERIC AND POLYMERIC OLED MATERIALS PRODUCED VIA  
ARYLATION OF QUINONES****ABSTRACT OF THE DISCLOSURE**

5       OLED materials are provided that have the general formula:



wherein the subscript n is an integer of from 5 to 15; the superscript i is an integer of from 1 to n and denotes the position downstream from R<sup>1</sup>; each Ar<sup>i</sup> is a substituted or unsubstituted aryl group; R<sup>1</sup> and R<sup>2</sup> are each substituents that increase the solubility of the para-phenylene compound in nonpolar organic solvents relative to the solubility of the corresponding compound wherein R<sup>1</sup> and R<sup>2</sup> are hydrogen; with the proviso that the Ar<sup>i</sup> groups are linked together in a 1,4-paraphenyleno manner.

10      15     SF 1210897 v1